Srikar Talluri

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EDUCATION

University of California at Berkeley — Aug 2021 – May 2025
Dual Bachelors in Computer Science and Math — *Berkeley, CA*
- <u>Overall GPA:</u> 3.85
- <u>Selected Coursework:</u> Data Structures, Efficient Algorithms, Machine Structures, Artificial Intelligence, Probability Theory, Multivariable Calculus, Discrete Math, Linear Algebra, Real Analysis, Quant Finance
- <u>Activities:</u> Mathematics Undergraduate Student Association, Poker@Berkeley, Berkeley Forum (Debate), Berkeley Formula Racing, Pickleball Team

WORK EXPERIENCE

Data Platform Engineering Intern — June 2023 – August 2023
Condé Nast — *New York City, NY*
- Built and Maintained robust, enterprise-scale data pipelines to transform first & third party data into delta tables
- Designed ETL processes utilizing Apache Spark, Databricks, DynamoDB to retrieve active subscriber data from S3
- Proposed and Implemented App Service to ship out overstocked products through monthly brand subscriptions as a method to increase Gen-Z engagement; Achieved 1st place among intern cohort pitch competition
- <u>Tech:</u> Databricks, Pipeline ETL's, Apache Spark, AWS DynamoDB, Airflow DAG's, Docker, Astro CLI

Software Engineering Intern — Oct 2022 – May 2023
S and C Electric Co. — *Alameda, CA*
- Designed and implemented automated test systems in C++ in low power environments to reduce latency on electric grids' motherboards by 67ms (from 150ms)
- Developed production-scale web application for data analysis and visualization on WiFi-enabled GPS devices
- Automated 86% of daily regression checks through intelligent device classification model with Selenium and Jenkins
- <u>Tech:</u> C++, React, Raspberry Pi, Selenium, Jenkins, Batch Scripts, SCRUM

Software Engineering Intern — Jun 2022 – Aug 2022
ANB Systems — *Houston, TX*
- Improved client security by building Redaction service to change sensitive data in documents using JavaScript
- Implemented and maintained document recognition system using OCR detection software in Python
- Cut debugging costs by displaying backend document extraction status and metadata on user dashboard
- <u>Tech:</u> Python, Postman, JavaScript, AWS S3, OpenCV, tesseract

SELECTED PROJECTS

Bay Area Rapid Transit (BART) Train Schedule App | *Python, Django, React, PostgreSQL, BART API* 2023
- Developed full-stack app that provides real-time BART train departure times with Django, PostgreSQL and React
- Allows users to efficiently filter departure times based on station, line, and direction using custom SQL commands
- Implemented responsive interface using React and backend server using Django that connects to necessary API's

Pacman Agent Model | *Python, GUI, Anaconda Virtual Env, Git* 2022
- Implemented Pacman AI using Approx. Q-learning in adversarial minimax and expectimax search problems
- Used Bayesian networks and Hidden Markov Models to find ghosts on board given noisy readings of distances

Reprogramming Num.py in C | *C, Python, SIMD, Parallelism, Memory Allocation* 2022
- Developed simplified version of NumPy Python library in C for fast matrix multiplication and array manipulation
- Achieved speedup ratio of 55.7x times using parallelism and Single Instruction Multi Data (SIMD) commands

TECHNICAL SKILLS

Languages: Java, Python, C/C++, JavaScript, HTML/CSS, R, SQL, Bash, VBA
Frameworks: React, Django, Mongo, PostgreSQL, Next.js, Node, JUnit, Material-UI, Apache Spark
Developer Tools: Git, AWS Cloud, Github/Gitlab/BitBucket, Docker, Jenkins, Postman, VS Code, IntelliJ, Conda
Libraries: pandas, NumPy, Matplotlib, OpenCV, Discord.py, BeautifulSoup, SKLearn, TensorFlow, Selenium